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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Valerie Guralnik et al.

Title: PRINCIPAL COMPONENT ANALYSIS BASED FAULT CLASSIFICATION

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Examiner: Aditya S. Bhat Group Art Unit: 2863

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

 $\underline{X}$  A return postcard.

 $\underline{X}$  An Amendment and Response (10 Pages).

X A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 5 cited documents.

X Authorization to charge to Deposit Account No. 19-0743 in the amount of \$180.00 to cover the Supplemental Information Disclosure fee.

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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this day of December, 2007.

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